

MANUFACTURING COMPANY

INDEPENDENCE, KANSAS 67301

TELEPHONE: 316-331-3400

TWX: 316-331-0210

October 26, 1965

MONTHLY PROGRESS REPORT

FOR MONTH OF SEPTEMBER, 1965

NASA CONTRACT NO. NAS5-3834
CONTROL NUMBERS: PC-67367 and 62625,
J. O. 636Y33-08 and 636Y33-08,
Div. Request No. 63-1293-4

ADF;

63-1293-4;

OPCON 09921 and 08475

FACILITY FORM 602

N 66-00499

(NASA OR OR TMC OR AD NUMBER)

(PAGES)

(THRU)

None

(CODE)

CR-10376

(CATEGORY)

Submitted:

G. A. Swartz

G. A. Swartz
Project Engineer

Approved:

W. E. McLean

W. E. McLean
Vice-President of Engineering

Monthly Progress Report for September, 1965

National Aeronautics and Space Administration
Goddard Space Flight Center
Glenn Dale Road
Greenbelt, Maryland

Attention: Contracting Officer;
Technical Information Division, Code 250;
and
Technical Representative, Code 636

NASA CONTRACT NO. NAS5-3834
CONTROL NUMBERS: PC-67367 and 62625,
J. O. 636Y33-08 and 636Y33-08,
Div. Request No. 63-1293-4
ADF:
63-1293-4;
OPCON 09921 and 08475

MONTHLY PROGRESS REPORT

FOR MONTH OF SEPTEMBER, 1965

a. CONTRACT OBJECTIVES.

The objectives of this contract are to develop a miniature solid-state current limiter whose minimum voltage rating is 75 Vrms and to develop a non-destructive means of current limiter characteristic prediction.

b. SUMMARY OF WORK PERFORMED.

Junction resistance has been determined for several current ratings.

c. CONFORMANCE TO WORK SCHEDULE.

It is estimated that the Contract will be completed on or about December 15, 1965. A letter to the Contracting Officer is being transmitted requesting a contract extension to cover this additional period.

d. ANALYSIS OF WORK PROGRESS.

Junction resistance of several current ratings has been established.

e. EFFORTS TO ACHIEVE RELIABILITY.

In accordance with the Contract proposal, 40 pieces of each current rating will be tested on the non-destructive tester and will then be blown to establish correlation. In addition, 41 pieces of each current rating will be produced for shipment to NASA and 16 of these units will be blown prior to shipment. Time-current characteristics are to be recorded in all cases.

f. ADEQUACY OF FUNDS.

Funds are adequate to complete the task as seen at this time.

g. PERSONNEL CHANGES.

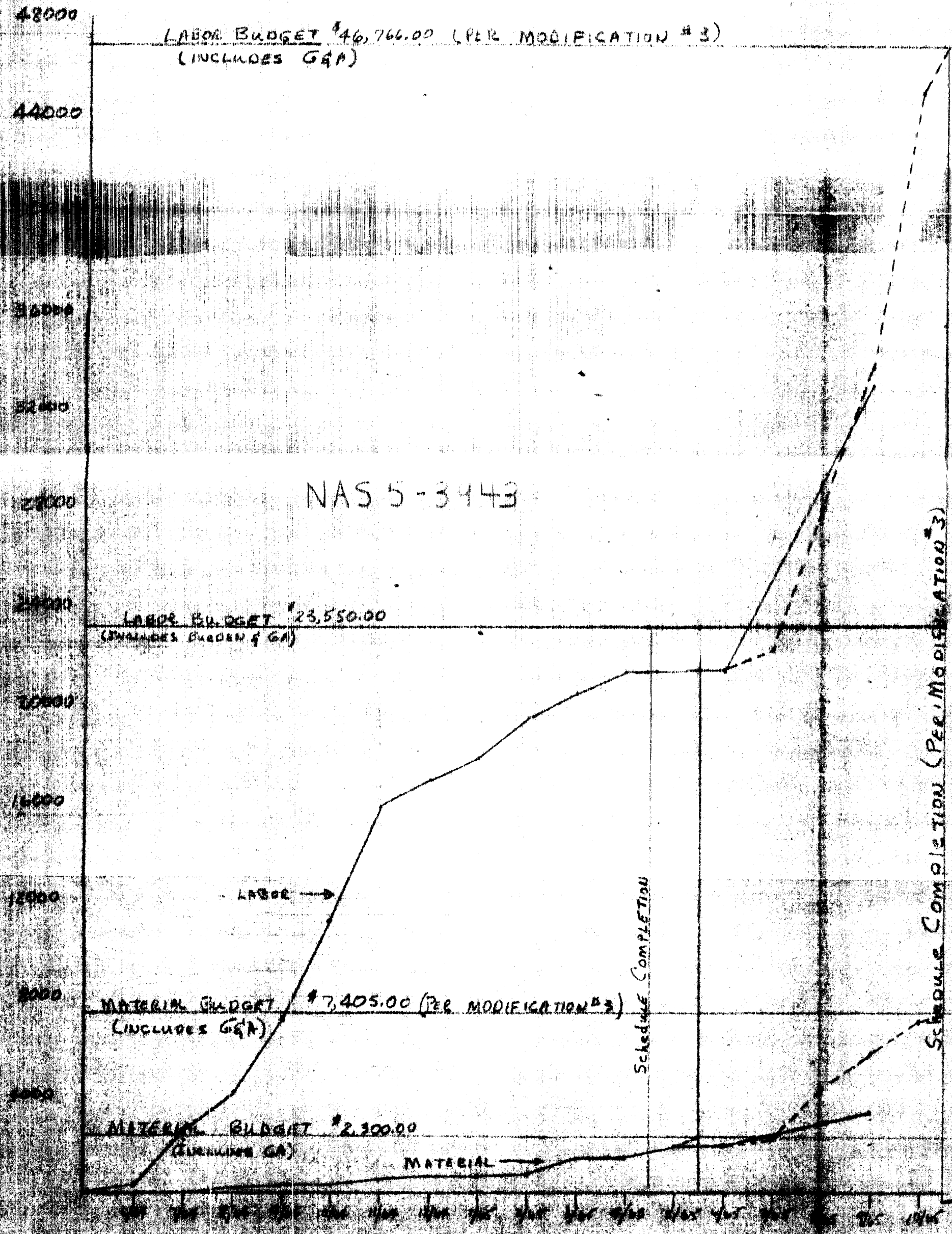
None.

h. WORK PLANNED FOR NEXT PERIOD.

Junction resistance will be established for the remainder of the current ratings. Production of the 75-volt limiters will be initiated.

GAS/lr

NAS 5-3443



11-15-65